

jc5111 U.S. PTO

of

and

“Sanitary undergarment”

UNITED STATES LETTERS PATENT

[illegible]

FIELD OF THE INVENTION

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Generally when sanitary napkins are provided with flaps, the flaps extend laterally from a central absorbent means and are intended

to be folded around the edges of the wearer's panties in the crotch region. Commonly, the flaps are provided with an attachment means for either affixing the flaps to the underside of the wearer's panties or to the opposing flap. The flaps are generally effective for preventing exudates from soiling the edges of the wearer's panties.

While sanitary pads having flaps are commonly viewed as providing better protection against soiling as compared to sanitary pads without flaps, some women find applying sanitary pads having flaps to be inconvenient for various reasons. For instance, some women find it to be difficult to attach the flaps to the underside of the crotch of their panties. This can be due to factors such as the tendency for the adhesive fasteners on the flaps to stick to themselves or to other parts of the sanitary napkin. Furthermore, the adhesive fasteners on the flaps also have a tendency to come unglued after an extended use and get stuck on the wearer's skin. As a result, some women still prefer a sanitary napkin without flaps. Some women who generally prefer a sanitary napkin with flaps, occasionally (such as during periods of light flow) prefer a sanitary napkin without flaps.

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~~. No. 4,911,701 issued to Mavinkurve
. No. 5,125,918 issue to Seidy
. Nos. 5,154,715 and 5,221,275 issued
. No. 4,940,462~~

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SUMMARY

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wearer when attempting to attach the wings or flaps of a sanitary pad to the underside of the wearer's panties. Furthermore, there exists a need for an underwear that provides a way to keep the flaps tucked in place for a long time, away from the wearers skin, while still providing the protection of side flaps. Furthermore, there also exists a need for underwear which reduces shifting of the sanitary pad with wings to a minimum when worn by the wearer.

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The present invention is a ^{new} sanitary underwear used with an absorbent article, such as a sanitary napkin that has a pair of panty covering components (or "side wrapping elements"). The present invention is especially meant to provide coverage to the wearer's panties to reduce staining of the edges of the panty crotch (or "side soiling") when the underwear is pulled up adjacent to the wearer's body.

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Another object of the present invention is to provide an underwear which is worn with an absorbent article, such as a sanitary napkin with wings or flap extensions and provide coverage to the wearer's panties to reduce side soiling (i.e., staining of the edges of the panty crotch).

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It is another object of the present invention to provide an underwear to be used with an absorbent article, such as a sanitary

napkin with flaps that folds around the sides of the wearer's
panties yet away from the wearers skin.

It is yet another object of the present invention to provide
underwear that allows the wings or the flaps in a sanitary pad to
fold around the sides of the wearer's panties for an extended
period of time.

It is still another object of the present invention to provide a
underwear that reduces crumpling and other types of transverse
deformation usually experienced by the wearer of a sanitary napkin
with wings.

These and other objects of the present invention will be more
readily apparent when considered in reference to the following
description and when taken in conjunction with the accompanying
drawings.

BRIEF DESCRIPTION OF THE DRAWINGS

While the specification concludes with claims particularly
pointing out and distinctly claiming the subject matter which is
regarded as forming the present invention, it is believed that the
invention will be better understood from the following description
when taken in conjunction with the accompanying drawings in which:

FIG. 1 is substantially a perspective overview of the preferred embodiment for the present invention.

FIG. 2 is substantially a plan view for the present invention showing an absorbent pad in an open position.

FIG. 3 is substantially a plan view for the present invention showing an absorbent pad in a closed position.

FIG. 4 is substantially an overview of the known prior art.

FIG. 5 is substantially a top view of an internal crotch portion.

FIG. 6 substantially illustrates the internal crotch portion when attached onto a prior art panty.

FIG. 7 substantially illustrates a perspective overview of a second embodiment for the present invention.

DETAILED DESCRIPTION OF THE DRAWINGS

Referring now in detail to the drawings wherein like characters correspond to like elements throughout the various views.

In FIG. 1 is shown the preferred embodiment for the present invention wherein (10) ~~substantially represents an overview of a~~ sanitary undergarment, such as a panty, which is formed from a front body portion (12), a rear body portion (14), an external crotch portion (16) and an internal crotch portion (18), with external crotch portion (16) and internal crotch portion being substantially of the same shape and size.

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of each lateral wing extension (46-C & 46-D) is now secured onto bottom surface (18-B) of internal crotch portion (18).

It is to be understood that the present invention may include additional embodiments. For example, a second embodiment is shown in FIG. 7 which substantially represents an embodiment which would be most suitable for men, or boys who have medical problems such as incontinence problems, or the like. Whereby, the present invention is formed into a pair of typical boxer shorts (54).

Please note the applicants do not disclose or address the actual construction of the boxer shorts (54) as such shorts are very well known. However, the following specification teaches how the present pair of boxer shorts differs from the known prior art which is what the applicants contend to be the invention.

In FIG. 7 is shown a pair of boxer shorts (54) having an external fly portion (56) and an internal fly portion (58) with external fly portion (54) and internal fly portion (58) in combination forming an internal opening there between. Again it is to be noted that any type of suitable absorbent pad of user choice may be used, but the applicants prefer the pad (46) as taught herein. Whereby, the user can easily remove previously described adhesive strips (48, 50, & 52) and then position and adhesively attach pad (46) at a location of choice upon internal fly portion (58).

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Thereafter, folding each lateral wing extension (46-C & 46-D) and inserting each wing extension (46-C & 46-D) into internal opening (60) between internal fly portion (58) and external fly portion (56). Whereby, absorbent pad (46) and lateral wing extensions (46-C & 46-D) are now securely attached by adhesive residue to boxer shorts (54).

While particular embodiments of the present invention have been illustrated and described, it would be obvious to those skilled in the art that various other changes and modifications can be made without departing from the spirit and scope of the invention.

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